

WEST Search History

DATE: Monday, April 10, 2006

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L13	mardh adj Erik	0
<input type="checkbox"/>	L12	L11 and erik	0
<input type="checkbox"/>	L11	mardh adj sven	1
<input type="checkbox"/>	L10	L8 and (diagnosis).clm.	1
<input type="checkbox"/>	L9	L8 and diagnosis	8
<input type="checkbox"/>	L8	l5 and gastritis	58
<input type="checkbox"/>	L7	L6 and multiply	3
<input type="checkbox"/>	L6	L5 and antibod?	46
<input type="checkbox"/>	L5	L4 and (H,K-ATPase or ATPase)	120
<input type="checkbox"/>	L4	L3 and l1	2249
<input type="checkbox"/>	L3	(pepsinogen I or pepsinogen-I or pepsinogen A or pga or pg-I or pgi).clm.	3795658
<input type="checkbox"/>	L2	(pepsinogen I or pepsinogen-I or pepsinogen A or pga or pg-I or pgi).clm	35151020
<input type="checkbox"/>	L1	(pylori or hp or hpylori or helicobacter or campylobacter).clm.	2379

END OF SEARCH HISTORY

Hit List

First

Search Results - Record(s) 1 through 10 of 46 returned.

☐ 1. Document ID: US 20060021075 A1

Using default format because multiple data bases are involved.

L6: Entry 1 of 46

File: PGPB

Jan 26, 2006

PGPUB-DOCUMENT-NUMBER: 20060021075

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060021075 A1

TITLE: Group 1 CD1 transgenic mice and their uses

PUBLICATION-DATE: January 26, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang; Chyung-Ru	Chicago	IL	US

US-CL-CURRENT: 800/18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 20050287169 A1

L6: Entry 2 of 46

File: PGPB

Dec 29, 2005

PGPUB-DOCUMENT-NUMBER: 20050287169

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050287169 A1

TITLE: Methods of use of genes of pyridoxal 5'-phosphate biosynthesis in Bacillus subtilis: avirulent strains for vaccines, and methods for identification of antibacterial agents

PUBLICATION-DATE: December 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Belitsky, Boris R.	Swampscott	MA	US

US-CL-CURRENT: 424/200.1; 435/252.3, 435/471

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 20050227929 A1

L6: Entry 3 of 46

File: PGPB

Oct 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050227929
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050227929 A1

TITLE: Combination therapy comprising a Cox-2 inhibitor and an antineoplastic agent

PUBLICATION-DATE: October 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Masferrer, Jaime L.	Ballwin	MO	US

US-CL-CURRENT: [514/27](#); [514/17](#), [514/234.2](#), [514/365](#), [514/406](#), [514/43](#), [514/449](#), [514/471](#), [514/49](#),
[514/591](#), [514/602](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMAC	Draw Desc	Image
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☐ 4. Document ID: US 20050176077 A1

L6: Entry 4 of 46

File: PGPB

Aug 11, 2005

PGPUB-DOCUMENT-NUMBER: 20050176077
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050176077 A1

TITLE: Methods of inhibiting Helicobacter pylori

PUBLICATION-DATE: August 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
De Reuse, Hilde	Paris		FR
Skouloubri, Stephane	Paris		FR
Cussac, Valerie	Paris		FR
Labigne, Agnes	Bures-sur-Yvette		FR

US-CL-CURRENT: [435/7.32](#); [435/32](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMAC	Draw Desc	Image
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☐ 5. Document ID: US 20050123511 A1

L6: Entry 5 of 46

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050123511
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050123511 A1

TITLE: Dna vaccine

PUBLICATION-DATE: June 9, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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McCreavy, David Thomas	Liverpool	GB
Fraser, William Duncan	Liverpool	GB
Gallagher, James Anthony	Liverpool	GB

US-CL-CURRENT: 424/93.2; 435/456, 435/5, 530/388.1, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 6. Document ID: US 20050112612 A1

L6: Entry 6 of 46

File: PGPB

May 26, 2005

PGPUB-DOCUMENT-NUMBER: 20050112612

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050112612 A1

TITLE: Lactobacillus acidophilus nucleic acid sequences encoding cell surface protein homologues and uses therefore

PUBLICATION-DATE: May 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Klaenhammer, Todd R.	Raleigh	NC	US
Alterman, Eric	Apex	NC	US
Buck, B. Logan	Banner Elk	NC	US
Russell, W. Michael	Newburg	IN	US

US-CL-CURRENT: 435/6; 435/183, 435/252.3, 435/320.1, 435/69.1, 530/350, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 7. Document ID: US 20050032134 A1

L6: Entry 7 of 46

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050032134

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050032134 A1

TITLE: Neoplasm-specific polypeptides and their uses

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Muller-Hermelink, Hans Konrad	Wurzburg		DE
Vollmers, Heinz Peter	Wurzburg		DE
Hensel, Frank	Wurzburg		DE

US-CL-CURRENT: 435/7.23; 435/320.1, 435/344, 435/69.1, 530/388.8, 536/23.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 8. Document ID: US 20050031582 A1

L6: Entry 8 of 46

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050031582

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050031582 A1

TITLE: Control of growth and repair of gastro-intestinal tissues by gastrokines and inhibitors

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Toback, F. Gary	Chicago	IL	US
Martin, Terence E.	Chicago	IL	US
Walsh-Reitz, Margaret M.	River Forest	IL	US

US-CL-CURRENT: 424/85.1; 435/320.1, 435/325, 435/69.5, 530/351, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 9. Document ID: US 20040241715 A1

L6: Entry 9 of 46

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040241715

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040241715 A1

TITLE: Genes identified as required for proliferation in escherichia coli

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Zyskind, Judith	La Jolla	CA	US
Forsyth, Allyn R.	San Diego	CA	US

US-CL-CURRENT: 435/6; 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 10. Document ID: US 20040224880 A1

L6: Entry 10 of 46

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040224880

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040224880 A1

TITLE: Regulation of gastric acid secretion by inwardly rectifying k+ channels

Record List Display

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PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hagen, Susan J.	Acton	MA	US

US-CL-CURRENT: 514/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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Search Results - Record(s) 11 through 20 of 46 returned.

☐ 11. Document ID: US 20040115772 A1

Using default format because multiple data bases are involved.

L6: Entry 11 of 46

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040115772

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040115772 A1

TITLE: Methods of inhibiting Helicobacter pylori

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
De Reuse, Hilde	Paris		FR
Skouloubris, Stephane	Paris		FR
Cussac, Valerie	Paris		FR
Labigne, Agnes	Bures-sur-Yvette		FR

US-CL-CURRENT: [435/69.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 12. Document ID: US 20040109875 A1

L6: Entry 12 of 46

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040109875

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040109875 A1

TITLE: Pro-apoptotic bacterial vaccines to enhance cellular immune responses

PUBLICATION-DATE: June 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kernodle, Douglas S.	Brentwood	TN	US
Bochan, Markian R	Nashville	TN	US

US-CL-CURRENT: [424/200.1](#); [435/252.3](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 13. Document ID: US 20040039212 A1

L6: Entry 13 of 46

File: PGPB

Feb 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040039212

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040039212 A1

TITLE: Sphingolipid derivatives and their methods of use

PUBLICATION-DATE: February 26, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Liotta, Dennis C.	McDonough	GA	US
Merrill, Alfred H. JR.	Dunwoody	GA	US
Keane, Thomas E.	Dunwoody	GA	US
Bhalla, Kapil N.	Atlanta	GA	US
Schmelz, Eva M.	Atlanta	GA	US

US-CL-CURRENT: 548/566; 549/491, 549/74, 554/36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 14. Document ID: US 20040029129 A1

L6: Entry 14 of 46

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040029129

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040029129 A1

TITLE: Identification of essential genes in microorganisms

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Liangsu	San Diego	CA	US
Zamudio, Carlos	La Jolla	CA	US
Malone, Cheryl	Santee	CA	US
Haselbeck, Robert	San Diego	CA	US
Ohlsen, kari L.	San Diego	CA	US
Zyskind, Judith W.	La Jolla	CA	US
Wall, Daniel	San Diego	CA	US
Trawick, John D.	La Mesa	CA	US
Carr, Grant J.	Escondido	CA	US
Yamamoto, Robert	San Diego	CA	US
Forsyth, R. Allyn	San Diego	CA	US
Xu, H. Howard	San Diego	CA	US

US-CL-CURRENT: 435/6; 435/183, 435/252.33, 435/254.2, 435/320.1, 435/325, 435/419, 435/69.1,
530/350, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 15. Document ID: US 20030219737 A1

L6: Entry 15 of 46

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030219737

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030219737 A1

TITLE: Novel DNA polymerase III holoenzyme delta subunit nucleic acid molecules and proteins

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bullard, James M.	Longmont	CO	US
Janjic, Nebojsa	Boulder	CO	US
McHenry, Charles S.	Denver	CO	US

US-CL-CURRENT: 435/6; 435/199, 702/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 16. Document ID: US 20030194414 A1

L6: Entry 16 of 46

File: PGPB

Oct 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030194414

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030194414 A1

TITLE: Replikin peptides and antibodies therefore

PUBLICATION-DATE: October 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bogoch, Samuel	New York	NY	US
Bogoch, Elenore S.	New York	NY	US

US-CL-CURRENT: 424/204.1; 424/130.1, 435/6, 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 17. Document ID: US 20030181408 A1

L6: Entry 17 of 46

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030181408

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030181408 A1

TITLE: Genes essential for microbial proliferation and antisense thereto

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Forsyth, R. Allyn	San Diego	CA	US
Ohlsen, Kari	San Diego	CA	US
Zyskind, Judith W.	La Jolla	CA	US

US-CL-CURRENT: 514/44; 435/375, 435/456

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 18. Document ID: US 20030180330 A1

L6: Entry 18 of 46

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030180330

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030180330 A1

TITLE: Method for identifying helicobacter antigens

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Meyer, Thomas F	Berlin		DE
Jungblut, Peter	Berlin		DE
Baumann, Dirk	Berlin		DE
Aebischer, Anton	Berlin		DE
Haas, Gaby	Berlin		DE
Zimny-Arndt, Ursula	Berlin		DE
Lamer, Stephanie	Berlin		DE
Karaali, Galip	Berlin		DE
Sabarth, Nicolas	Berlin		DE
Wendland, Meike	Berlin		DE

US-CL-CURRENT: 424/234.1; 435/7.32, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 19. Document ID: US 20030165932 A1

L6: Entry 19 of 46

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030165932

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030165932 A1

TITLE: Inhibitors of autoinducer transporters

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Taga, Michiko E.	Princeton	NJ	US
Bassler, Bonnie L.	Princeton	NJ	US
McKenzie, Douglas T.	San Diego	CA	US

US-CL-CURRENT: [435/6](#); [435/252.3](#), [435/32](#), [435/7.32](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMCL	Draw Desc	Image
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☐ 20. Document ID: US 20030157486 A1

L6: Entry 20 of 46

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030157486

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030157486 A1

TITLE: Methods to identify signal sequences

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Graff, Jonathan M.	Dallas	TX	US
Muenster, Matthew	Irving	TX	US

US-CL-CURRENT: [435/6](#); [435/252.3](#), [435/471](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMCL	Draw Desc	Image
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Search Results - Record(s) 21 through 30 of 46 returned.

☐ 21. Document ID: US 20030124614 A1

Using default format because multiple data bases are involved.

L6: Entry 21 of 46

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124614

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124614 A1

TITLE: Novel T-cell membrane protein (TIRC7), peptides and antibodies derived therefrom and uses thereof

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Utku, Nalan	Berlin	MA	DE
Gullans, Steven R.	Natick	MA	US
Milford, Edgar L.	Dover		US

US-CL-CURRENT: [435/7.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 22. Document ID: US 20030083256 A1

L6: Entry 22 of 46

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030083256

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030083256 A1

TITLE: Compositions and methods for enhancing drug delivery across and into epithelial tissues

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rothbard, Jonathan B.	Cupertino	CA	US
Wender, Paul A.	Menlo Park	CA	US
McGrane, P. Leo	Mountain View	CA	US
Sista, Lalitha V.S.	Sunnyvale	CA	US
Kirschberg, Thorsten A.	Mountain View	CA	US

US-CL-CURRENT: [514/12](#); [514/634](#), [514/636](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 23. Document ID: US 20030082512 A1

L6: Entry 23 of 46

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082512

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082512 A1

TITLE: Process to study changes in gene expression in granulocytic cells

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yerramilli, Subrahmanyam V.	Montgomery Village	MD	US
Prashar, Yatindra	Monmouth Junction	NJ	US
Newburger, Peter	Waban	MA	US
Goguen, Jon	Holden	MA	US
Weissman, Sherman M.	New Haven	CT	US

US-CL-CURRENT: 435/4; 435/32, 435/5, 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 24. Document ID: US 20030049698 A1

L6: Entry 24 of 46

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049698

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030049698 A1

TITLE: Diagnosis and treatment of gastrointestinal disease

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Timothy C.	Acton	MA	US

US-CL-CURRENT: 435/7.21; 435/7.32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 25. Document ID: US 20030045455 A1

L6: Entry 25 of 46

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030045455

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030045455 A1

TITLE: Method of using lectins for prevention and treatment of oral and alimentary tract disorders

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Krivan, Howard C.	Carson City	NV	US
Potter, Richard C.	Stevensville	MT	US
Oldham, Michael J.	Orange	CA	US

US-CL-CURRENT: 514/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 26. Document ID: US 20020187487 A1

L6: Entry 26 of 46

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020187487

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020187487 A1

TITLE: Screen for risk for gastric adenocarcinoma

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Goldenring, James R.	Nashville	TN	US
Schmidt, P. Henry	Augusta	GA	US
Lee, Jeffrey R.	Martinez	GA	US

US-CL-CURRENT: 435/6; 435/7.23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 27. Document ID: US 20020164617 A1

L6: Entry 27 of 46

File: PGPB

Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020164617

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020164617 A1

TITLE: Affinity selection-based screening of hydrophobic proteins

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Felsch, Jason S.	Waltham	MA	US
Annis, David Allen JR.	Cambridge	MA	US

Kalghatgi, Krishna
Nash, Huw M.

Westboro MA US
Cambridge MA US

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 28. Document ID: US 20020161192 A1

L6: Entry 28 of 46

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020161192
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020161192 A1

TITLE: Helicobacter pylori live vaccine

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Meyer, Thomas F.	Berlin		DE
Haas, Rainer	Munchen		DE
Zhengxin, Yan	Tubingen		DE
Gomez-Duarte, Oscar	Tubingen		DE
Lucas, Bernadette	Berlin		DE
Maurer, Jochen	Stadtbergen		DE
Gibbs, Carol Patrice	Augsburg		DE
Lattemann, Claus Tobias	Neusaess		DE

US-CL-CURRENT: 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 29. Document ID: US 20020137674 A1

L6: Entry 29 of 46

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020137674
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020137674 A1

TITLE: Method of using lectins for prevention and treatment of oral and alimentary tract disorders

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Oldham, Michael J.	Oxnard	CA	US
Krivan, Howard C.	Santa Barbara	CA	US

US-CL-CURRENT: 514/8; 530/395

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 30. Document ID: US 20020102269 A1

L6: Entry 30 of 46

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102269

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102269 A1

TITLE: Methods of inhibiting helicobacter pylori

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
De Reuse, Hilde	Paris		FR
Skouloubris, Stephane	Paris		FR
Cussac, Valerie	Paris		FR
Labigne, Agnes	Bures-sur-Yvette		FR

US-CL-CURRENT: 424/190.1; 435/32, 435/7.32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 21. Document ID: US 20030124614 A1

Using default format because multiple data bases are involved.

L6: Entry 21 of 46

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124614

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124614 A1

TITLE: Novel T-cell membrane protein (TIRC7), peptides and antibodies derived therefrom and uses thereof

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Utku, Nalan	Berlin	MA	DE
Gullans, Steven R.	Natick	MA	US
Milford, Edgar L.	Dover		US

US-CL-CURRENT: 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMC	Draw Desc	Image
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☐ 22. Document ID: US 20030083256 A1

L6: Entry 22 of 46

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030083256

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030083256 A1

TITLE: Compositions and methods for enhancing drug delivery across and into epithelial tissues

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rothbard, Jonathan B.	Cupertino	CA	US
Wender, Paul A.	Menlo Park	CA	US
McGrane, P. Leo	Mountain View	CA	US
Sista, Lalitha V.S.	Sunnyvale	CA	US
Kirschberg, Thorsten A.	Mountain View	CA	US

US-CL-CURRENT: 514/12; 514/634, 514/636

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 23. Document ID: US 20030082512 A1

L6: Entry 23 of 46

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082512

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082512 A1

TITLE: Process to study changes in gene expression in granulocytic cells

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yerramilli, Subrahmanyam V.	Montgomery Village	MD	US
Prashar, Yatindra	Monmouth Junction	NJ	US
Newburger, Peter	Waban	MA	US
Goguen, Jon	Holden	MA	US
Weissman, Sherman M.	New Haven	CT	US

US-CL-CURRENT: 435/4; 435/32, 435/5, 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 24. Document ID: US 20030049698 A1

L6: Entry 24 of 46

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049698

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030049698 A1

TITLE: Diagnosis and treatment of gastrointestinal disease

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Timothy C.	Acton	MA	US

US-CL-CURRENT: 435/7.21; 435/7.32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 25. Document ID: US 20030045455 A1

L6: Entry 25 of 46

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030045455

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030045455 A1

TITLE: Method of using lectins for prevention and treatment of oral and alimentary tract disorders

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Krivan, Howard C.	Carson City	NV	US
Potter, Richard C.	Stevensville	MT	US
Oldham, Michael J.	Orange	CA	US

US-CL-CURRENT: 514/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 26. Document ID: US 20020187487 A1

L6: Entry 26 of 46

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020187487

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020187487 A1

TITLE: Screen for risk for gastric adenocarcinoma

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Goldenring, James R.	Nashville	TN	US
Schmidt, P. Henry	Augusta	GA	US
Lee, Jeffrey R.	Martinez	GA	US

US-CL-CURRENT: 435/6; 435/7.23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 27. Document ID: US 20020164617 A1

L6: Entry 27 of 46

File: PGPB

Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020164617

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020164617 A1

TITLE: Affinity selection-based screening of hydrophobic proteins

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Felsch, Jason S.	Waltham	MA	US
Annis, David Allen JR.	Cambridge	MA	US

Kalghatgi, Krishna
Nash, Huw M.

Westboro MA US
Cambridge MA US

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 28. Document ID: US 20020161192 A1

L6: Entry 28 of 46

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020161192
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020161192 A1

TITLE: Helicobacter pylori live vaccine

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Meyer, Thomas F.	Berlin		DE
Haas, Rainer	Munchen		DE
Zhengxin, Yan	Tubingen		DE
Gomez-Duarte, Oscar	Tubingen		DE
Lucas, Bernadette	Berlin		DE
Maurer, Jochen	Stadtbergen		DE
Gibbs, Carol Patrice	Augsburg		DE
Lattemann, Claus Tobias	Neusaess		DE

US-CL-CURRENT: 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 29. Document ID: US 20020137674 A1

L6: Entry 29 of 46

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020137674
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020137674 A1

TITLE: Method of using lectins for prevention and treatment of oral and alimentary tract disorders

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Oldham, Michael J.	Oxnard	CA	US
Krivan, Howard C.	Santa Barbara	CA	US

US-CL-CURRENT: 514/8; 530/395

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 30. Document ID: US 20020102269 A1

L6: Entry 30 of 46

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102269

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102269 A1

TITLE: Methods of inhibiting helicobacter pylori

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
De Reuse, Hilde	Paris		FR
Skouloubris, Stephane	Paris		FR
Cussac, Valerie	Paris		FR
Labigne, Agnes	Bures-sur-Yvette		FR

US-CL-CURRENT: 424/190.1; 435/32, 435/7.32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 31. Document ID: US 20020045592 A1

Using default format because multiple data bases are involved.

L6: Entry 31 of 46

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020045592

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020045592 A1

TITLE: Genes identified as required for proliferation in escherichia coli

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Zyskind, Judith	La Jolla	CA	US
Ohlsen, Kari L.	San Diego	CA	US
Trawick, John	La Mesa	CA	US
Forsyth, R. Allyn	San Diego	CA	US
Froelich, Jamie M.	San Diego	CA	US
Carr, Grant J.	Escondido	CA	US
Yamamoto, Robert T.	San Diego	CA	US
Xu, H. Howard	San Diego	CA	US

US-CL-CURRENT: 514/44; 435/476

☐ 32. Document ID: US 20020022718 A1

L6: Entry 32 of 46

File: PGPB

Feb 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020022718

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020022718 A1

TITLE: Genes identified as required for proliferation of E. coli

PUBLICATION-DATE: February 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Forsyth, R. Allyn	San Diego	CA	US
Ohlsen, Kari L.	San Diego	CA	US
Zyskind, Judith W.	La Jolla	CA	US

US-CL-CURRENT: 536/23.1; 435/183, 435/325, 435/6, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 33. Document ID: US 20020009491 A1

L6: Entry 33 of 46

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020009491

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020009491 A1

TITLE: Compositions and methods for enhancing drug delivery across biological membranes and tissues

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rothbard, Jonathan B.	Cupertino	CA	US
Wender, Paul A.	Menlo Park	CA	US

US-CL-CURRENT: 424/484; 424/486

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 34. Document ID: US 20010014459 A1

L6: Entry 34 of 46

File: PGPB

Aug 16, 2001

PGPUB-DOCUMENT-NUMBER: 20010014459

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010014459 A1

TITLE: SCREEN FOR RISK FOR GASTRIC ADENOCARCINOMA

PUBLICATION-DATE: August 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
GOLDENRING, JAMES R.	MARTINEZ	GA	US
SCHMIDT, P. HENRY	AUGUST	GA	US
LEE, JEFFREY R.	MARTINEZ	GA	US

US-CL-CURRENT: 435/7.23; 435/6, 435/810, 435/975

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 35. Document ID: US 6720139 B1

L6: Entry 35 of 46

File: USPT

Apr 13, 2004

US-PAT-NO: 6720139

DOCUMENT-IDENTIFIER: US 6720139 B1

**** See image for Certificate of Correction ****

TITLE: Genes identified as required for proliferation in Escherichia coli

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zyskind; Judith	La Jolla	CA		
Ohlsen; Kari L.	San Diego	CA		
Trawick; John	La Mesa	CA		
Forsyth; R. Allyn	San Diego	CA		
Froelich; Jamie M.	San Diego	CA		
Carr; Grant J.	Escondido	CA		
Yamamoto; Robert T.	San Diego	CA		
Xu; H. Howard	San Diego	CA		

US-CL-CURRENT: 435/6; 435/4, 514/2, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 36. Document ID: US 6620585 B1

L6: Entry 36 of 46

File: USPT

Sep 16, 2003

US-PAT-NO: 6620585

DOCUMENT-IDENTIFIER: US 6620585 B1

TITLE: Use of ectoenzymes and secreted enzymes to monitor cellular proliferation

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zyskind; Judith W.	La Jolla	CA		

US-CL-CURRENT: 435/6; 435/252.3, 435/252.34, 435/375, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 37. Document ID: US 6593292 B1

L6: Entry 37 of 46

File: USPT

Jul 15, 2003

US-PAT-NO: 6593292

DOCUMENT-IDENTIFIER: US 6593292 B1

TITLE: Compositions and methods for enhancing drug delivery across and into epithelial tissues

DATE-ISSUED: July 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rothbard; Jonathan B.	Cupertino	CA		
Wender; Paul A.	Menlo Park	CA		
McGrane; P. Leo	Mountain View	CA		
Sista; Lalitha V. S.	Sunnyvale	CA		
Kirschberg; Thorsten A.	Mountain View	CA		

US-CL-CURRENT: 514/2; 514/11, 514/12, 514/15, 514/159, 514/16, 514/169, 514/17, 514/254.07,
514/263.31, 514/291, 514/423 , 514/456, 514/458, 514/634, 514/635, 514/636, 530/300, 530/321,
530/328, 530/329, 530/330, 544/366

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 38. Document ID: US 6589738 B1

L6: Entry 38 of 46

File: USPT

Jul 8, 2003

US-PAT-NO: 6589738

DOCUMENT-IDENTIFIER: US 6589738 B1

**** See image for Certificate of Correction ****

TITLE: Genes essential for microbial proliferation and antisense thereto

DATE-ISSUED: July 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Forsyth; R. Allyn	San Diego	CA		
Ohlsen; Kari	San Diego	CA		
Zyskind; Judith W.	La Jolla	CA		

US-CL-CURRENT: 435/6; 435/5, 435/91.1, 435/91.2, 530/350, 536/23.1, 536/24.3, 536/24.31,
536/24.33, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 39. Document ID: US 6573364 B1

L6: Entry 39 of 46

File: USPT

Jun 3, 2003

US-PAT-NO: 6573364

DOCUMENT-IDENTIFIER: US 6573364 B1

TITLE: Isolation and characterization of Hermansky Pudlak Syndrome (HPS) protein complexes and HPS protein-interacting proteins

DATE-ISSUED: June 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nandabalan; Krishnan	Guilford	CT		
Yang; Meijia	East Lyme	CT		

US-CL-CURRENT: 530/350; 435/317.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KINC	Draw Desc	Image
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☐ 40. Document ID: US 6416968 B1

L6: Entry 40 of 46

File: USPT

Jul 9, 2002

US-PAT-NO: 6416968

DOCUMENT-IDENTIFIER: US 6416968 B1

**** See image for Certificate of Correction ****

TITLE: Methods of inhibiting Helicobacter pylori

DATE-ISSUED: July 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De Reuse; Hilde	Paris			FR
Skouloubris; Stephane	Paris			FR
Cussac; Valerie	Paris			FR
Labigne; Agnes	Burress/Yvette			FR

US-CL-CURRENT: 435/32; 424/141.1, 424/150.1, 424/184.1, 424/234.1, 424/236.1, 424/94.1,
435/106, 435/12, 435/18, 435/252.1, 435/29, 435/4, 435/6, 435/69.1, 514/230.5, 514/44, 530/300,
530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KINC	Draw Desc	Image
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☐ 41. Document ID: US 6190667 B1

Using default format because multiple data bases are involved.

L6: Entry 41 of 46

File: USPT

Feb 20, 2001

US-PAT-NO: 6190667

DOCUMENT-IDENTIFIER: US 6190667 B1

TITLE: Methods of inhibiting Helicobacter pylori

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De Reuse; Hilde	Paris			FR
Skouloubris; Stephane	Paris			FR
Cussac; Valerie	Paris			FR
Labigne; Agnes	Burress/Yvette			FR

US-CL-CURRENT: 424/234.1; 424/780, 435/32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw Desc	Image
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☐ 42. Document ID: US 6124271 A

L6: Entry 42 of 46

File: USPT

Sep 26, 2000

US-PAT-NO: 6124271

DOCUMENT-IDENTIFIER: US 6124271 A

TITLE: Method and conjugate for treating H. pylori infection

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Iversen; Patrick L.	Corvallis	OR		
Brand; Randall	Omaha	NE		
Weller; Dwight D.	Corvallis	OR		
Summerton; James E.	Corvallis	OR		

US-CL-CURRENT: 514/44; 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw Desc	Image
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☐ 43. Document ID: US 6054132 A

L6: Entry 43 of 46

File: USPT

Apr 25, 2000

US-PAT-NO: 6054132

DOCUMENT-IDENTIFIER: US 6054132 A

TITLE: Purified vacuolating toxin from Helicobacter pylori and methods to use same

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cover; Timothy L.	Nashville	TN		
Blaser; Martin J.	Nashville	TN		

US-CL-CURRENT: 424/236.1; 424/184.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 44. Document ID: US 6013463 A

L6: Entry 44 of 46

File: USPT

Jan 11, 2000

US-PAT-NO: 6013463

DOCUMENT-IDENTIFIER: US 6013463 A

TITLE: Purified vacuolating toxin from Helicobacter pylori and methods to use same

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cover; Timothy L.	Nashville	TN		
Blaser; Martin J.	Nashville	TN		

US-CL-CURRENT: 435/7.92; 424/236.1, 435/7.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 45. Document ID: US 5942409 A

L6: Entry 45 of 46

File: USPT

Aug 24, 1999

US-PAT-NO: 5942409

DOCUMENT-IDENTIFIER: US 5942409 A

TITLE: Process for identification of substances modulating ureI dependent mechanisms of Helicobacter pylori metabolism

DATE-ISSUED: August 24, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Sachs; George
Melchers; Klaus

Encino CA
Aach

DE

US-CL-CURRENT: 435/32; 435/12, 435/29, 435/4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw Desc	Image
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☐ 46. Document ID: US 5859219 A

L6: Entry 46 of 46

File: USPT

Jan 12, 1999

US-PAT-NO: 5859219
DOCUMENT-IDENTIFIER: US 5859219 A

TITLE: Purified vacuolating toxin from Helicobacter pylori and methods to use same

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cover; Timothy L.	Nashville	TN		
Blaser; Martin J.	Nashville	TN		

US-CL-CURRENT: 536/22.1; 424/236.1, 435/252.3, 435/320.1, 435/69.1, 435/69.3, 435/91.1,
536/23.7, 536/24.3, 536/24.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw Desc	Image
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☐ 1. Document ID: US 20050227929 A1

Using default format because multiple data bases are involved.

L9: Entry 1 of 8

File: PGPB

Oct 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050227929

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050227929 A1

TITLE: Combination therapy comprising a Cox-2 inhibitor and an antineoplastic agent

PUBLICATION-DATE: October 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Masferrer, Jaime L.	Ballwin	MO	US

US-CL-CURRENT: [514/27](#); [514/17](#), [514/234.2](#), [514/365](#), [514/406](#), [514/43](#), [514/449](#), [514/471](#), [514/49](#), [514/591](#), [514/602](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMC	Draw Desc	Image
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☐ 2. Document ID: US 20050032134 A1

L9: Entry 2 of 8

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050032134

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050032134 A1

TITLE: Neoplasm-specific polypeptides and their uses

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Muller-Hermelink, Hans Konrad	Wurzburg		DE
Vollmers, Heinz Peter	Wurzburg		DE
Hensel, Frank	Wurzburg		DE

US-CL-CURRENT: [435/7.23](#); [435/320.1](#), [435/344](#), [435/69.1](#), [530/388.8](#), [536/23.53](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMC	Draw Desc	Image
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☐ 3. Document ID: US 20030180330 A1

L9: Entry 3 of 8

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030180330

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030180330 A1

TITLE: Method for identifying helicobacter antigens

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Meyer, Thomas F	Berlin		DE
Jungblut, Peter	Berlin		DE
Baumann, Dirk	Berlin		DE
Aebischer, Anton	Berlin		DE
Haas, Gaby	Berlin		DE
Zimny-Arndt, Ursula	Berlin		DE
Lamer, Stephanie	Berlin		DE
Karaali, Galip	Berlin		DE
Sabarth, Nicolas	Berlin		DE
Wendland, Meike	Berlin		DE

US-CL-CURRENT: 424/234.1; 435/7.32, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 4. Document ID: US 20030049698 A1

L9: Entry 4 of 8

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049698

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030049698 A1

TITLE: Diagnosis and treatment of gastrointestinal disease

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Timothy C.	Acton	MA	US

US-CL-CURRENT: 435/7.21; 435/7.32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 5. Document ID: US 20010020005 A1

L9: Entry 5 of 8

File: PGPB

Sep 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010020005

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010020005 A1

TITLE: Pharmaceutical compositions for the treatment of helicobacter pylori-associated disorders

PUBLICATION-DATE: September 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Chowers, Michal Y.	Tzufit		IL
Chowers, Yehuda	Tzufit		IL

US-CL-CURRENT: 514/18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 6. Document ID: US 6852739 B1

L9: Entry 6 of 8

File: USPT

Feb 8, 2005

US-PAT-NO: 6852739

DOCUMENT-IDENTIFIER: US 6852739 B1

TITLE: Methods using proton pump inhibitors and nitric oxide donors

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garvey; David S.	Dover	MA		
Letts; L. Gordon	Dover	MA		
Tam; Sang William	Dover	MA		

US-CL-CURRENT: 514/338, 514/233.2, 514/254.03, 514/300, 514/303, 514/361, 544/127, 544/134, 544/284, 544/323, 544/324, 544/368, 546/112, 546/115, 546/118, 546/121, 546/273.7, 548/126

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 7. Document ID: US 6815414 B2

L9: Entry 7 of 8

File: USPT

Nov 9, 2004

US-PAT-NO: 6815414

DOCUMENT-IDENTIFIER: US 6815414 B2

**** See image for Certificate of Correction ****

TITLE: Pharmaceutical compositions for the treatment of helicobacter pylori-associated disorders

DATE-ISSUED: November 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chowers; Michal Y.	Tzufit			IL

Chowers; Yehuda

Tzufit

IL

US-CL-CURRENT: 514/2; 424/9.1, 435/243, 435/7.1, 514/12, 514/17, 514/18, 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	EMC	Draw Desc	Image
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☐ 8. Document ID: US 6077830 A

L9: Entry 8 of 8

File: USPT

Jun 20, 2000

US-PAT-NO: 6077830

DOCUMENT-IDENTIFIER: US 6077830 A

**** See image for Certificate of Correction ****

TITLE: Bismuth salts of antibiotics of the moenomycin group, processes for their preparation, their use and pharmaceuticals comprising such salts

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vertesy; Laszlo	Eppstein			DE
Kurz; Michael	Hofheim			DE
Markus; Astrid	Liederbach			DE
Seibert; Gerhard	Darmstadt			DE

US-CL-CURRENT: 514/25; 514/53, 536/117, 536/16.8, 536/17.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	EMC	Draw Desc	Image
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L10: Entry 1 of 1

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030180330

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030180330 A1

TITLE: Method for identifying helicobacter antigens

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Meyer, Thomas F	Berlin		DE
Jungblut, Peter	Berlin		DE
Baumann, Dirk	Berlin		DE
Aebischer, Anton	Berlin		DE
Haas, Gaby	Berlin		DE
Zimny-Arndt, Ursula	Berlin		DE
Lamer, Stephanie	Berlin		DE
Karaali, Galip	Berlin		DE
Sabarth, Nicolas	Berlin		DE
Wendland, Meike	Berlin		DE

US-CL-CURRENT: 424/234.1; 435/7.32, 530/350

CLAIMS:

1. Use of Helicobacter proteins HP 0231 (NCBI 2313 33), HP 0410 (NCBI 2313 516) and HP 1019 (NCBI 2314 163) for the manufacture of a vaccine.
2. The use of claim 1 wherein the vaccine is selected from recombinant subunit vaccines, live vaccines and nucleic acid vaccines.
3. Helicobacter proteome consisting of a pattern of individual proteins which are expressed by Helicobacter cells obtainable by a method comprising the steps: (a) providing a cell extract from Helicobacter cells comprising solubilized proteins, (b) separating said cell extract by two-dimensional gel electrophoresis, and (c) characterizing and/or identifying said proteins.
4. The proteome of claim 3, containing the proteins as shown in FIGS. 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10, or at least a part thereof.
5. The proteome of claim 3 or 4, containing the proteins as shown in Table 1, 3, 4, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18 or at least a part thereof.
6. Helicobacter proteins which are expressed by Helicobacter cells characterized and identified by a method comprising the steps: (a) providing a cell extract from Helicobacter cells comprising solubilized proteins, (b) separating said cell extract by two-dimensional gel electrophoresis, and (c) characterizing and/or Identifying said proteins.
7. The proteins of claim 6 which are selected from the most abundant protein species as shown

in Table 3 or from virulence factors as shown in Table 4.

8. The proteins of claim 6 which are selected from pH dependent protein species as shown in Table 5.

9. The proteins of claim 6, which are Immunologically reactive with human antisera.

10. The proteins of claim 9 as shown in Tables 6-9 and 11-13, 15 and 16.

11. The proteins of claim 9 or 10 which are associated with a specific Helicobacter-mediated disease.

12. The proteins of claim 11 wherein the disease is selected from gastritis, cancer of ulcer.

13. The proteins of claim 6 which are selected from H. pylori specific antigens as shown in Table 14.

14. The proteins of claim 6 which are selected from surface-exposed proteins as shown in Table 17.

15. The, proteins of claim 6 which are selected from secreted proteins as shown in Table 18.

16. The proteins of claim 6 which are selected from HP 0231 (NCBI 2313 333), HP 0410 (NCBI 2313 516) and HP 1019 (NCBI 2314 163).

17. The use of the proteome or the proteins of any one of claims 3 to 16 for the identification of targets for the diagnosis, prevention or treatment of Helicobacter infections and Helicobacter-mediated diseases.

18. The use of claim 17 for the manufacture of a diagnostic assay or kit.

19. The use of claim 18 for the manufacture of a vaccine.

20. The use of claim 19 for the manufacture of a live vaccine.

21. A method for characterizing or identifying proteins which are expressed by Helicobacter cells, comprising the steps: (a) providing a cell extract from Helicobacter cells comprising solubilized proteins, (b) separating said cell extract by two-dimensional gel electrophoresis, and (c) characterizing and/or identifying said proteins.

22. The method of claim 21, wherein said cell extract comprises a denaturing agent.

23. The method of claim 21 or 22, wherein said cell extract further comprises a thiol reagent and/or a detergent.

24. The method of any one of claims 21 to 23, wherein said two-dimensional gel electrophoresis comprises (i) separation in a first dimension according to the isoelectric point and (ii) separation in a second dimension according to size.

25. The method of any one of claims 21 to 24, wherein the proteins are characterized by peptide fingerprinting.

26. The method of claim 25, wherein the peptides are generated by in-gel proteolytic digestion.

27. The method of claim 25 or 26, wherein the peptides are characterized by mass spectrometry.

28. The method of claim 25 or 26, wherein the peptides are characterized by at least partial sequencing.

29. The method of any one of claims 21 to 28, further comprising the step: (d) determining the reactivity of the proteins with antisera.

30. The method of claim 29, wherein said antisera are human antisera.

31. The method of claim 30, wherein said human antisera are derived from Helicobacter positive patients.

32. The method of claim 30 or 31, wherein said human antisera are derived from patients suffering from Helicobacter-mediated diseases.

33. The method of claim 30 or 32, wherein said human antisera are derived from Helicobacter negative control persons.

34. The method of any one of claims 21 to 33, further comprising the steps: (e) repeating steps (a) to (c) and, optionally, (d) with Helicobacter cells from at least one different strain and/or with Helicobacter cells grown under different conditions, and (f) comparing the proteins from different Helicobacter strains and/or from Helicobacter strains grown under different conditions.

35. The method of any one of claims 21 to 34, wherein the Helicobacter cells are cultivated in vitro.

36. The method of any one of claims 21 to 34, wherein the Helicobacter cells are cultivated in vivo.

37. The method of any one of claims 21 to 36, wherein the Helicobacter cells are cultivated at a pH in the range from about 5 to 8.

38. A method for identifying and providing a substance capable of modulating the activity of Helicobacter protein of any one of claims 6-16 comprising contacting said substance with said protein and determining the modulating activity of said substance.

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L11: Entry 1 of 1

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020044922

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020044922 A1

TITLE: Recombinant phages

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Mardh, Sven</u>	Linkoping		SE

US-CL-CURRENT: 424/93.6; 435/235.1

CLAIMS:

1. A modified bacteriophage for use in the treatment or prophylaxis of a bacterial infection, which bacteriophage presents at its surface a recombinant protein comprising (i) a first component derived from a bacteriophage surface protein; and (ii) a second component comprising variable region sequences of an antibody to provide a bacterial antigen binding site, said second component rendering said bacteriophage capable of binding to and thereby inhibiting growth of bacterial cells involved in the etiology of said infection.
2. A bacteriophage as claimed in claim 1 for use in the treatment or prophylaxis of a mucosal bacterial infection.
3. A bacteriophage as claimed in claim 2 for use in the treatment or prophylaxis of Helicobacter pylori infection.
4. A bacteriophage as claimed in any one of claims 1 to 3 which is a modified filamentous bacteriophage.
5. A bacteriophage as claimed in any one of claims 1 to 4 which is a modified M13 bacteriophage.
6. A bacteriophage as claimed in any one of claims 1 to 5 wherein said first component of said recombinant protein is derived from the protein responsible for adsorption of the unmodified form of said bacteriophage to bacterial pili.
7. A bacteriophage as claimed in any one of claims 1 to 6 wherein said second component of said recombinant protein comprises a ScFv polypeptide.
8. A bacteriophage as claimed in any one of claims 1 to 7 which is a modified M13 bacteriophage wherein said first component of said recombinant protein is derived from the g3p protein.
9. A bacteriophage as claimed in claim 8 wherein said recombinant protein is a g3p - ScFv fusion protein.
10. A bacteriophage as claimed in any one of claims 1 to 9 for use in the treatment or prophylaxis of Helicobacter pylori infection wherein the antibody variable region sequences of

said recombinant polypeptide are variable region sequences of a monoclonal antibody selected from the monoclonal antibodies of hybridoma cell lines 5F8 (ECACC No.95121524), 2H6 (ECACC No.95121526) and 5D8 (ECACC No.95121527).

11. The modified M13 bacteriophage of claim 10 designated B8 deposited at the NCIMB under accession number NCIMB 40779, or a derivative thereof which retains the ability to bind and infect *Helicobacter pylori*.

12. A pharmaceutical composition comprising a bacteriophage as claimed in any one of the preceding claims in admixture with a pharmaceutically acceptable carrier or excipient.

13. A method for treatment of a bacterial infection in a mammal which comprises administering a bacteriophage or pharmaceutical composition according to any one of the preceding claims.

14. Use of a bacteriophage as claimed in any one of claims 1 to 11 in the manufacture of a medicament for the treatment or prophylaxis of a mucosal bacterial infection.

15. A hybridoma selected from 5F8 (ECACC No.95121524), 2H6 (ECACC No.95121526) and 5D8 (ECACC No.95121527).

16. A monoclonal antibody selected from the monoclonal antibodies produced by the hybridomas according to claim 15.

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File: USPT

Nov 9, 1999

US-PAT-NO: 5981184

DOCUMENT-IDENTIFIER: US 5981184 A

TITLE: Screening kit and process for determining action of substances inhibiting the P-type ATPase activity of Helicobacter pylori

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Melchers; Klaus	Aach			DE

US-CL-CURRENT: 435/6; 435/18, 435/252.3, 435/252.33, 435/320.1, 435/7.32, 435/7.37, 536/23.2, 536/23.7

CLAIMS:

We claim:

1. A screening kit for the determination of the action of substances inhibiting the P-type ATPase activity of Helicobacter, comprising

a) a recombinant organism consisting of host cells transformed using at least one Helicobacter P-type ATPase gene coding for a Helicobacter P-type ATPase according to SEQ ID No. 4 or SEQ ID No. 9 and controllable via a promoter,

b) an inducer for the genetic activation of the P-type ATPase gene of a),

c) cations which impair the metabolic activity of the recombinant organism only in the presence of Helicobacter P-type ATPase, and

d) a measuring device for the determination of the metabolic activity of the recombinant organism.

2. A screening kit as claimed in claim 1, wherein the host cells are E. coli cells.

3. The screening kit as claimed in claim 2, wherein the host cells are E. coli K12 derivatives.

4. A screening kit as claimed in claim 3, wherein the E. coli K12 derivative is E. coli MM 294.

5. A screening kit as claimed in claim 1, wherein the promoter is a tac, Trc or Trp promoter.

6. A screening kit as claimed in claim 5, wherein the inducer is IPTG (isopropylthiogalactoside) in the case of tac and Trc promoters and .beta.-IAA (indoleacetic acid) in the case of Trp promoters.

7. A screening kit as claimed in claim 1, wherein the cations are ammonium ions.

8. The screening kit as claimed in claim 1, further comprising an energy and/or nutrient

source.

9. The screening kit as claimed in claim 8, further comprising an amino acid, and/or glucose.

10. A screening kit as claimed claim in claim 9, wherein the amino acid is glutamine.

11. A screening kit as claimed in claim 1, wherein the measuring device for the determination of the metabolic activity is a cytosensor microphysiometer.

12. A screening kit according to claim 1, wherein the Helicobacter P-type ATPase gene comprises a nucleotide sequence consisting of nucleotides 1219 to 3276 of SEQ ID No. 1 or a nucleotide sequence consisting of nucleotides 1872 to 4094 of SEQ ID No 3.

13. A process for screening an inhibitor of P-type ATPases of Helicobacter, wherein the metabolic activity of a recombinant host cell that, upon induction, expresses at least one Helicobacter ATPase according to SEQ ID No. 4 or SEQ ID No. 9 is determined in the presence of cations that impair the metabolic activity of said recombinant host cell only upon expression of said Helicobacter ATPase.

14. A process as claimed in claim 13, wherein said metabolic activity is determined before and after induction of the Helicobacter ATPase.

15. A purified and isolated DNA sequence which codes for the Helicobacter-specific ATPase 439 according to SEQ ID No. 4.

16. A purified and isolated DNA sequence as claimed in claim 14 comprising a nucleotide sequence consisting of nucleotides 1219 to 3276 of SEQ ID No. 1.

17. A purified and isolated DNA sequence which codes for the Helicobacter-specific ATPase associated proteins 514 according to SEQ ID No. 5.

18. A purified and isolated DNA sequence as claimed in claim 17 comprising a nucleotide sequence consisting of nucleotides 115 to 1632 of SEQ ID No. 2.

19. A purified and isolated DNA sequence to which codes for the Helicobacter-specific ATPase 948 according to SEQ ID No. 9.

20. A purified and isolated DNA sequence as claimed in claim 13 comprising a nucleotide sequence consisting of nucleotides 1872 to 4094 of SEQ ID No. 3.

21. A vector containing a DNA sequence which codes for Helicobacter-specific ATPase 439 according to SEQ ID No. 4.

22. A vector as claimed in claim 21, wherein the DNA sequence comprises a nucleotide sequence consisting of nucleotides 1219 to 3276 of SEQ ID No. 1.

23. A vector containing a DNA sequence which codes for Helicobacter-specific ATPase associated Protein 514 according to SEQ ID No. 5.

24. A vector as claimed in claim 23, wherein the DNA sequence comprises a nucleotide sequence consisting of nucleotides 115 to 1632 of SEQ ID No. 2.

25. A vector containing a DNA sequence which codes for Helicobacter-specific ATPase 948 according to SEQ ID No. 9.

26. A vector as claimed in claim 25, wherein the DNA sequence comprises a nucleotide sequence consisting of nucleotides 1872 to 4094 of SEQ ID No. 3 .

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- ☐ 51. [6013463](#). 07 Jun 95; 11 Jan 00. Purified vacuolating toxin from *Helicobacter pylori* and methods to use same. Cover; Timothy L., et al. 435/7.92; 424/236.1 435/7.32. G01N033/53 .
- ☐ 52. [5981184](#). 02 Jun 97; 09 Nov 99. Screening kit and process for determining action of substances inhibiting the P-type [ATPase](#) activity of *Helicobacter pylori*. Melchers; Klaus. 435/6; 435/18 435/252.3 435/252.33 435/320.1 435/7.32 435/7.37 536/23.2 536/23.7. C12Q001/68 C12N015/55 C12N015/63 .
- ☐ 53. [5942409](#). 31 Jul 98; 24 Aug 99. Process for identification of substances modulating ureI dependent mechanisms of *Helicobacter pylori* metabolism. Sachs; George, et al. 435/32; 435/12 435/29 435/4. C12Q001/18 C12Q001/58 C12Q001/02 C12Q001/00 .
- ☐ 54. [5889021](#). 01 Jul 94; 30 Mar 99. Active Compounds. Starke; Carl Ingemar. 514/313; 514/311 546/160 546/161 546/168. A61K031/47 C07D215/38 C07D215/44 C07D215/14 .
- ☐ 55. [5859219](#). 27 Oct 94; 12 Jan 99. Purified vacuolating toxin from *Helicobacter pylori* and methods to use same. Cover; Timothy L., et al. 536/22.1; 424/236.1 435/252.3 435/320.1 435/69.1 435/69.3 435/91.1 536/23.7 536/24.3 536/24.32. A61K039/106 C12N015/31 C12N001/20 C07H021/04 .
- ☐ 56. [5840917](#). 06 Dec 96; 24 Nov 98. Phosphorylamides, their preparation and use. Oi; Satoru, et al. 549/6; 548/180 548/217 548/309.4 549/218 549/220 558/185 558/199 558/200. C07D333/00 C07F009/06 A61K031/38 A61K031/34 .
- ☐ 57. [5719161](#). 24 Jun 96; 17 Feb 98. Alkoxy alkyl carbamates of imidazo(1.2-a)pyridines. Rainer; Georg. 514/300; 546/121. A61C031/485 C07D471/04 .
- ☐ 58. [5234910](#). 10 Oct 90; 10 Aug 93. Acid inhibitor of bacterial origin. Cave; David R.. 514/21; 424/520 435/822 514/2 514/926 530/825. A61K037/02 A61K035/74 C12N001/20 C07K015/04 .

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

















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
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


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


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


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

















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
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
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
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








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L3 ANSWER 1 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2006:49244 USPATFULL

TITLE: Detection of antibiotic resistance in microorganisms

INVENTOR(S): Haas, Rainer, Munchen, GERMANY, FEDERAL REPUBLIC OF
Trebesius, Karlheinz, Bad Endorf, GERMANY, FEDERAL
REPUBLIC OF

Apfel, Heiko, Neusass, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): SeaPro Theranostics International, Lelystad,
NETHERLANDS (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 7005257	B1	20060228
	WO 9961660		19991202
APPLICATION INFO.:	US 2000-673645		19990521 (9)
	WO 1999-EP3527		19990521
			20001031 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-19823098	19980522
	DE 2000-19916610	19990413
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Myers, Carla J.	
LEGAL REPRESENTATIVE:	Rothwell, Figg, Ernst & Manbeck, P.C.	
NUMBER OF CLAIMS:	27	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	1868	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a process for detecting antibiotic resistances in microorganisms, in particular in bacteria, and to reagent kits which are suitable for implementing the process.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2006:47471 USPATFULL
TITLE: Annellated pyrrole compounds as proton pump inhibitors for treating ulcer
INVENTOR(S): Smolka, Adams J., Charleston, SC, UNITED STATES
Hammond, Charles E., Charleston, SC, UNITED STATES
Gupta, Sandeep, Plainsboro, NJ, UNITED STATES
PATENT ASSIGNEE(S): MERCKLE GMBH, Ulm, GERMANY, FEDERAL REPUBLIC OF, 89079
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006040945	A1	20060223
APPLICATION INFO.:	US 2003-513327	A1	20030516 (10)
	WO 2003-EP5171		20030516
			20050713 PCT 371 date

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PRIORITY INFORMATION:	EP 2003-2011081	20020517
	US 2003-380928P	20020517 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1-18	
NUMBER OF DRAWINGS:	20 Drawing Page(s)	
LINE COUNT:	1452	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Inhibiting gastric proton pump in a mammal is accomplished by the use of a compound of formula (1) wherein the variables have the meaning given in the present description. A preferred compound of formula (2) is this

treatment ameliorates, diminishes, actively treats, reverses or prevents any injury, damage or lesions of gastric mucosa, e.g. gastric mucosal lesions and ulceration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2005:111141 USPATFULL

TITLE: Compositions for promoting vaginal cell proliferation and maturation

INVENTOR(S): Yang, Shu-Ping, Alpharetta, GA, UNITED STATES

Huang, Yanbin, Roswell, GA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005095219	A1	20050505
APPLICATION INFO.:	US 2003-696547	A1	20031029 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A., P.O. BOX 2938, MINNEAPOLIS, MN, 55402, US		
NUMBER OF CLAIMS:	47		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	7 Drawing Page(s)		
LINE COUNT:	1309		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides hyaluronic acid compounds and derivatives thereof for increasing vaginal cell growth, vaginal cell maturation and vaginal moisture, as well as compositions, articles and methods for treating and preventing vaginal conditions characterized by poor vaginal cell growth, low vaginal cell differentiation and low vaginal moisture.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2005:76144 USPATFULL

TITLE: Methods of collecting and analyzing human breath

INVENTOR(S): Talton, James D, Gainesville, FL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005065446	A1	20050324
APPLICATION INFO.:	US 2004-502950	A1	20041118 (10)
	WO 2003-US1065		20030129

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-352322P	20020129 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	1308	

AB The present invention provides methods of collecting and detecting compounds in a human breath sample, comprising : exhaling into a handheld sample collector to absorb at least one breath compound in an exhaled breath collector of said collector; connecting the handheld sample collector to a breath analyzer; transferring the breath compounds from the exhaled breath collector of the sample collector into the breath analyzer; and detecting breath compounds using two or more

sensors. The method may be performed to detect breath compounds for determining health or disease diagnosis, or for drug monitoring.

L3 ANSWER 5 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2004:248042 USPATFULL
TITLE: Prevention of urogenital infections
INVENTOR(S): Yang, Shu-Ping, Alpharetta, GA, UNITED STATES
Huang, Yanbin, Roswell, GA, UNITED STATES
Weart, Ilona F., Woodstock, GA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004192642	A1	20040930
APPLICATION INFO.:	US 2003-401522	A1	20030328 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A., P.O. BOX 2938, MINNEAPOLIS, MN, 55402		
NUMBER OF CLAIMS:	52		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	1198		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides hyaluronic acid compounds and derivatives thereof for preventing urogenital infections by a variety of pathogens, as well as compositions, articles and methods for treating and preventing urogenital infections.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2004:127721 USPATFULL
TITLE: Small acid-soluble spore protein and uses thereof
INVENTOR(S): Fairhead, Heather Marie, 45 Park Avenue, Cambridge, UNITED KINGDOM CB4 9JU

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004097705	A1	20040520
APPLICATION INFO.:	US 2003-416800	A1	20031010 (10)
	WO 2001-GB5061		20011116

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2000-28130	20001117
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CROWELL & MORING LLP, INTELLECTUAL PROPERTY GROUP, P.O. BOX 14300, WASHINGTON, DC, 20044-4300	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Page(s)	
LINE COUNT:	2110	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A polypeptide having α/β type SASP activity for use as a medicament.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s (pylori or helicobacter or camplobacter or hpylori)

L4 110586 (PYLORI OR HELICOBACTER OR CAMPLOBACTER OR HPYLORI)

```
=> s 14 and (pepsinogen-I or pepsonogen A or PGI)
L5      994 L4 AND (PEPSINOGEN-I OR PEPSONOGEN A OR PGI)
```

```
=>
=> s 14 and (pepsinogen-I or pepsinogen A or PGI)
L6      1231 L4 AND (PEPSINOGEN-I OR PEPSINOGEN A OR PGI)
```

```
=> s 16 and (H,K-ATPase or ATPase or HKATPase)
L7      52 L6 AND (H,K-ATPASE OR ATPASE OR HKATPASE)
```

```
=> rem dup 17
```

DUP IS NOT VALID HERE

The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/Q	- delete query names starting with BIO
DELETE ?DRUG/A	- delete answer set names ending with DRUG
DELETE ?ELEC?/L	- delete L-number lists containing ELEC
DELETE ANTICOAG/S	- delete SDI request
DELETE ENZYME/B	- delete batch request
DELETE .MYCLUSTER	- delete user-defined cluster
DELETE .MYFORMAT	- delete user-defined display format
DELETE .MYFIELD	- delete user-defined search field
DELETE NAMELIST MYLIST	- delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C	- delete print request
DELETE D134002C	- delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

DELETE L21	- delete a single L-number
DELETE L3-L6	- delete a range of L-numbers
DELETE LAST 4	- delete the last 4 L-numbers
DELETE L33-	- delete L33 and any higher L-number
DELETE -L55	- delete L55 and any lower L-number
DELETE L2-L6 RENUMBER	- delete a range of L-numbers and renumber remaining L-numbers
DELETE RENUMBER	- renumber L-numbers after deletion of intermediate L-numbers

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

DELETE SAVED/Q - delete all saved queries
 DELETE SAVED/A - delete all saved answer sets
 DELETE SAVED/L - delete all saved L-number lists
 DELETE SAVED - delete all saved queries, answer sets,
 and L-number lists
 DELETE SAVED/S - delete all SDI requests
 DELETE SAVED/B - delete all batch requests
 DELETE CLUSTER - delete all user-defined clusters
 DELETE FORMAT - delete all user-defined display formats
 DELETE FIELD - delete all user-defined search fields
 DELETE SELECT - delete all E-numbers
 DELETE HISTORY - delete all L-numbers and restart the
 session at L1

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```
=> dup rem l7
PROCESSING COMPLETED FOR L7
L8          34 DUP REM L7 (18 DUPLICATES REMOVED)
```

```
=> s l8 same multiply
MISSING OPERATOR L8 SAME
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.
```

```
=> s l8 and multiply
L9          1 L8 AND MULTIPLY
```

```
=> d l9 abs ibib
```

```
L9  ANSWER 1 OF 1  USPATFULL on STN
AB   Isolated nucleic acid molecules, designated MR nucleic acid molecules,
      which encode novel MR proteins from Corynebacterium glutamicum are
      described. The invention also provides antisense nucleic acid molecules,
      recombinant expression vectors containing MR nucleic acid molecules, and
      host cells into which the expression vectors have been introduced. The
      invention still further provides isolated MR proteins, mutated MR
      proteins, fusion proteins, antigenic peptides and methods for the
      improvement of production of a desired compound from C. glutamicum based
      on genetic engineering of MR genes in this organism.
```

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

```

ACCESSION NUMBER: 2005:177322  USPATFULL
TITLE:           Corynebacterium glutamicum genes encoding regulatory
                  proteins
INVENTOR(S) :    Pompejus, Markus, Waldsee, GERMANY, FEDERAL REPUBLIC OF
                  Kroger, Burkhard, Limburgerhof, GERMANY, FEDERAL
                  REPUBLIC OF
                  Schroder, Hartwig, Nubloch, GERMANY, FEDERAL REPUBLIC
                  OF
                  Zelder, Oskar, Speyer, GERMANY, FEDERAL REPUBLIC OF
                  Haberhauer, Gregor, Limburgerhof, GERMANY, FEDERAL
                  REPUBLIC OF
PATENT ASSIGNEE(S): BASF AG, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
                    (non-U.S. corporation)
  
```

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005153402	A1	20050714
APPLICATION INFO.:	US 2004-6098	A1	20041206 (11)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-602874, filed on 23
Jun 2000, ABANDONED

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1999-19930476	19990701
	DE 1999-19931419	19990708
	DE 1999-19931420	19990708
	DE 1999-19932122	19990709
	DE 1999-19932128	19990709
	DE 1999-19932134	19990709
	DE 1999-19932206	19990709
	DE 1999-19932207	19990709
	DE 1999-19933003	19990714
	DE 1999-19941390	19990831
	DE 1999-19942088	19990903
	DE 1999-19942124	19990903
	US 1999-141031P	19990625 (60)
	US 1999-142690P	19990701 (60)
	US 1999-151251P	19990827 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	LAHIVE & COCKFIELD, LLP., 28 STATE STREET, BOSTON, MA, 02109, US	
NUMBER OF CLAIMS:	38	
EXEMPLARY CLAIM:	1	
LINE COUNT:	6287	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

=> s 18 and gastritis
L10 14 L8 AND GASTRITIS

=> s 110 and antibod?
L11 11 L10 AND ANTIBOD?

=> d 111 abs ibib

L11 ANSWER 1 OF 11 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AB Juvenile patients affected with autoimmune thyroid disorders showed a
14-21% prevalence of parietal cell **antibodies** (PCA) reacting
against the **H+/K+-ATPase** of the gastric
parietal cells. PCA are the principal immunological markers of atrophic
body **gastritis** (ABG). ABG is characterized by loss of oxyntic
glands, achlorhydria, and hypergastrinemia. The aim of this study was to
determine whether PCA positivity could be associated with biochemical and
histological manifestations of gastric autoimmunity in juvenile patients
with autoimmune thyroid disease (AITD). We studied 129 children (96
females and 33 males) with chronic lymphocytic thyroiditis (n = 115) or
Graves' disease (n = 14). Mean age at diagnosis of AITD was 9.7 +/- 3.3
yr, and mean age at sampling was 12.3 +/- 3.7 yr. We determined PCA and
Helicobacter pylori antibodies, gastrin, and
pepsinogen I plasma levels. Gastrosocopy with multiple
biopsies was carried out in a subgroup of patients with PCA positivity.
We found that 30% of children had detectable PCA. Hypergastrinemia was
found in 45% of the PCA-positive children (range, 40-675 pg/ml) vs. 12% of
PCA-negative children (range, 35-65 pg/ml; P 0.001). Eighteen patients
with PCA positivity underwent gastroscopy; eight of these children had
normogastrinemia, which showed no signs of ABG, and 10 children had
hypergastrinemia, of whom five had mild to severe ABG. Our study shows
that autoimmune **gastritis** is an early event in juvenile AITD
with detectable PCA. Gastrin plasma level is a reliable marker of gastric
atrophy.

ACCESSION NUMBER: 2005:22114 BIOSIS
 DOCUMENT NUMBER: PREV200500021412
 TITLE: Early manifestations of gastric autoimmunity in patients with juvenile autoimmune thyroid diseases.
 AUTHOR(S): Segni, Maria [Reprint Author]; Borrelli, Osvaldo; Pucarelli, Ida; Delle Fave, Gianfranco; Pasquino, Anna Maria; Annibale, Bruno
 CORPORATE SOURCE: Dept PediatSch Med 1, Univ La Sapienza, Via Giuseppe Vaccari 3, I-00194, Rome, Italy
 m.segni@mclink.it
 SOURCE: Journal of Clinical Endocrinology & Metabolism, (October 2004) Vol. 89, No. 10, pp. 4944-4948. print.
 ISSN: 0021-972X (ISSN print).
 DOCUMENT TYPE: Article
 LANGUAGE: English
 ENTRY DATE: Entered STN: 29 Dec 2004
 Last Updated on STN: 29 Dec 2004

=> d l11 abs ibib 1-11

L11 ANSWER 1 OF 11 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
 AB Juvenile patients affected with autoimmune thyroid disorders showed a 14-21% prevalence of parietal cell **antibodies** (PCA) reacting against the **H+/K+-ATPase** of the gastric parietal cells. PCA are the principal immunological markers of atrophic body **gastritis** (ABG). ABG is characterized by loss of oxyntic glands, achlorhydria, and hypergastrinemia. The aim of this study was to determine whether PCA positivity could be associated with biochemical and histological manifestations of gastric autoimmunity in juvenile patients with autoimmune thyroid disease (AITD). We studied 129 children (96 females and 33 males) with chronic lymphocytic thyroiditis (n = 115) or Graves' disease (n = 14). Mean age at diagnosis of AITD was 9.7 +/- 3.3 yr, and mean age at sampling was 12.3 +/- 3.7 yr. We determined PCA and **Helicobacter pylori antibodies**, gastrin, and **pepsinogen I** plasma levels. Gastroscopy with multiple biopsies was carried out in a subgroup of patients with PCA positivity. We found that 30% of children had detectable PCA. Hypergastrinemia was found in 45% of the PCA-positive children (range, 40-675 pg/ml) vs. 12% of PCA-negative children (range, 35-65 pg/ml; P 0.001). Eighteen patients with PCA positivity underwent gastroscopy; eight of these children had normogastrinemia, which showed no signs of ABG, and 10 children had hypergastrinemia, of whom five had mild to severe ABG. Our study shows that autoimmune **gastritis** is an early event in juvenile AITD with detectable PCA. Gastrin plasma level is a reliable marker of gastric atrophy.

ACCESSION NUMBER: 2005:22114 BIOSIS
 DOCUMENT NUMBER: PREV200500021412
 TITLE: Early manifestations of gastric autoimmunity in patients with juvenile autoimmune thyroid diseases.
 AUTHOR(S): Segni, Maria [Reprint Author]; Borrelli, Osvaldo; Pucarelli, Ida; Delle Fave, Gianfranco; Pasquino, Anna Maria; Annibale, Bruno
 CORPORATE SOURCE: Dept PediatSch Med 1, Univ La Sapienza, Via Giuseppe Vaccari 3, I-00194, Rome, Italy
 m.segni@mclink.it
 SOURCE: Journal of Clinical Endocrinology & Metabolism, (October 2004) Vol. 89, No. 10, pp. 4944-4948. print.
 ISSN: 0021-972X (ISSN print).
 DOCUMENT TYPE: Article
 LANGUAGE: English
 ENTRY DATE: Entered STN: 29 Dec 2004
 Last Updated on STN: 29 Dec 2004

L11 ANSWER 2 OF 11 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
 AB The most common types of benign gastric polyps are fundic gland polyps, hyperplastic polyps, and adenomas. The aim of this study was to determine on which morphological and functional background benign gastric polyps develop. The study includes 85 consecutive patients with gastric polyps and sex- and age-matched controls without polyps selected at random from a general population sample. The type of polyp was hyperplastic in 52 (61%), fundic gland in 18 (21%), adenoma in 10 (12%), carcinoid in 2 (2%), hamartoma in 2 (2%), and inflammatory fibroid in 1 (1%) of the cases. Routine biopsies from the gastric corpus and antrum were examined for presence of **gastritis** and **H. pylori**. Blood samples were analyzed for **H. pylori antibodies**, **H+**, **K+-ATPase antibodies**, gastrin, and **pepsinogen I**. Patients with hyperplastic polyps had increased P-gastrin concentrations and S-**H+**, **K+-ATPase antibody** titers and decreased S-**pepsinogen I** concentrations with a high prevalence of atrophic corpus **gastritis** or pangastritis. A similar pattern was observed among patients with adenomas, whereas patients with fundic gland polyps had normal serology and a lower prevalence of **gastritis** and **H. pylori** infection than controls. In conclusion, hyperplastic polyps and adenomas are generally associated with atrophic **gastritis**. Patients with fundic gland polyps seem to have a sounder mucosa than controls. Whereas the risk of malignant gastric neoplasia is increased in patients with hyperplastic polyps or adenomas, this does not seem to be the case in patients with fundic gland polyps.

ACCESSION NUMBER: 2003:397960 BIOSIS
 DOCUMENT NUMBER: PREV200300397960
 TITLE: Benign gastric polyps: Morphological and functional origin.
 AUTHOR(S): Borch, Kurt [Reprint Author]; Skarsgard, John; Franzen, Lennart; Mardh, Sven; Rehfeld, Jens F.
 CORPORATE SOURCE: Department of Surgery, University Hospital of Linköping, S-58185, Linköping, Sweden
 SOURCE: Digestive Diseases and Sciences, (July 2003) Vol. 48, No. 7, pp. 1292-1297. print.
 ISSN: 0163-2116 (ISSN print).
 DOCUMENT TYPE: Article
 LANGUAGE: English
 ENTRY DATE: Entered STN: 27 Aug 2003
 Last Updated on STN: 27 Aug 2003

L11 ANSWER 3 OF 11 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
 AB Background: Gastroscopy and examination of biopsy is normally required for diagnosis of **gastritis**. This is costly and inconvenient for the patient, and there is a need for a simple pregastroscopic screening method to reduce the endoscopy workload. Our aim was to develop a serological screening test for **gastritis**. Methods: Sera from subjects examined with gastroscopy and biopsy were analyzed for **H**, **K-ATPase antibodies**, **Helicobacter pylori antibodies** and **pepsinogen I**. The diagnoses were normal gastric mucosa (n=50), duodenal ulcer (n=53) and atrophic corpus **gastritis**, with (n=50) or without pernicious anemia (n=46). Results: An evaluation scheme was constructed to optimize the diagnostic agreement between serology and gastric mucosal morphology. The sensitivity to detect **gastritis** was 98% (146/149) (95% CI 94-100%) and the specificity 84% (42/50) (95% CI 71-93%). Additional sera from 483 subjects from the general population were analyzed. There was a good agreement between serology and gastric mucosal morphology. Conclusions: Assays of multiple serum analytes are useful for the initial screening of **gastritis**. They are complementary to upper gastroscopy by identification of subjects with a normal gastric mucosa,

those who qualify for eradication of *H. pylori*, and those who have developed atrophy and are at risk of developing malignancy and, therefore, require gastroscopic examination.

ACCESSION NUMBER: 2002:389474 BIOSIS
DOCUMENT NUMBER: PREV200200389474
TITLE: Diagnosis of **gastritis** by means of a combination of serological analyses.
AUTHOR(S): Mardh, Erik; Mardh, Sven [Reprint author]; Mardh, Bibbi; Borch, Kurt
CORPORATE SOURCE: Department of Biomedicine and Surgery, Faculty of Health Sciences, Linköping University, S-581 85, Linköping, Sweden sven.mardh@mcbl.liu.se
SOURCE: Clinica Chimica Acta, (June, 2002) Vol. 320, No. 1-2, pp. 17-27. print.
CODEN: CCATAR. ISSN: 0009-8981.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 17 Jul 2002
Last Updated on STN: 17 Jul 2002

L11 ANSWER 4 OF 11 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AB Background: **Helicobacter pylori** plays an important part in the progression of atrophic **gastritis**; however, markers for predicting the progression of atrophic **gastritis** remain unidentified. We investigated the relation between the degree of atrophic **gastritis** and the amount of anti-parietal cell **antibodies** (APCAs) present. Methods: In 219 Japanese patients, APCA was investigated by enzyme-linked immunosorbent assay (ELISA) and by Western blotting. The grade of corpus atrophy was estimated by histology and serum pepsinogen levels. Serum levels of pepsinogen were evaluated by radio-immunoassay. Results: **Helicobacter pylori** infection did not affect the APCA levels determined by ELISA. Long-term administration of proton-pump inhibitors and *H. pylori* eradication did not influence the levels of APCAs. However, in *H. pylori*-positive patients, the levels of APCA determined by ELISA were statistically higher in patients with severe atrophy than in those with mild atrophy as determined histologically (0.67 +/- 0.48 versus 0.45 +/- 0.40; A492, mean +/- s, P = 0.01) and serologically by pepsinogen levels (0.66 +/- 0.51 versus 0.44 +/- 0.40, P = 0.002). The levels of **pepsinogen I** /II ratio were correlated with APCA levels only in the *H. pylori* -positive group. Western blotting showed that major antigen was identical with the beta-subunit of **H⁺,K⁺-ATPase**. Conclusion: APCA plays an important part in the progression of corpus atrophy after *H. pylori* infection.

ACCESSION NUMBER: 2002:239328 BIOSIS
DOCUMENT NUMBER: PREV200200239328
TITLE: Role of anti-parietal cell **antibody** in **Helicobacter pylori**-associated atrophic **gastritis**: Evaluation in a country of high prevalence of atrophic **gastritis**.
AUTHOR(S): Ito, M.; Haruma, K.; Kaya, S.; Kamada, T.; Kim, S.; Sasaki, A.; Sumii, M.; Tanaka, S.; Yoshihara, M. [Reprint author]; Chayama, K.
CORPORATE SOURCE: First Dept. of Internal Medicine, Hiroshima University School of Medicine, 1-2-3 Kasumi Minami-ku, Hiroshima, 734-8551, Japan myoshih@hiroshima-u.ac.jp
SOURCE: Scandinavian Journal of Gastroenterology, (March, 2002) Vol. 37, No. 3, pp. 287-293. print.
CODEN: SJGRA4. ISSN: 0036-5521.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 10 Apr 2002

L11 ANSWER 5 OF 11 MEDLINE on STN

AB The excluded stomach after Roux-en-Y gastric bypass (RYGBP) cannot be readily examined by endoscopy for obvious anatomic reasons. Thus it is difficult to monitor possible changes in the gastric mucosa. However, the type and severity of **gastritis** can now be assessed by a combination of serologic tests: **pepsinogen I** and **antibodies to Helicobacter pylori** and **H,K-ATPase**. Morbidly obese patients were examined before and 1 to 4 years after surgery. A group of 34 patients (mean age 39 years, BMI 44 kg/m(2)) underwent RYGBP; another group of 30 patients (mean age 42 years, BMI 44 kg/m(2)) had simple gastric restriction and served as control subjects. All patients, except one in the control group, had normal titers of **pepsinogen I** before surgery. One year after RYGBP, **pepsinogen I** levels were significantly reduced, as compared to the control group ($P < 0.0001$), and remained low throughout the study. The control group had stable **pepsinogen I** levels. In both groups, few patients had increased titers of **H. pylori** or **H,K-ATPase antibodies**, but these abnormalities remained unchanged. Low **pepsinogen I** levels, similar to those we observed in our RYGBP patients, have been linked to chronic atrophic **gastritis**. However, the absence of food stimulation in the excluded stomach could also be a reason for the low **pepsinogen I** levels.

ACCESSION NUMBER: 2003241412 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12763411
TITLE: Reduction in serum **pepsinogen I** after Roux-en-Y gastric bypass.
AUTHOR: Sundbom Magnus; Mardh Erik; Mardh Sven; Ohrvall Margareta; Gustavsson Sven
CORPORATE SOURCE: Department of Surgery, University Hospital, Uppsala, Sweden.. magnus.sundbom@surgsci.uu.se
SOURCE: Journal of gastrointestinal surgery : official journal of the Society for Surgery of the Alimentary Tract, (2003 May-Jun) Vol. 7, No. 4, pp. 529-35.
Journal code: 9706084. ISSN: 1091-255X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200310
ENTRY DATE: Entered STN: 20030524
Last Updated on STN: 20031010
Entered Medline: 20031009

L11 ANSWER 6 OF 11 MEDLINE on STN

AB BACKGROUND: Atrophic **gastritis** is more common in Japan than in Germany. The expression of anti-parietal cell **antibody** has been implicated in the genesis of atrophic **gastritis** associated with **Helicobacter pylori** infection. OBJECTIVE: We investigated the difference in serum levels of pepsinogens and in anti-parietal cell **antibody** expression between Japanese and German patients. METHODS: We recruited 102 Japanese and 46 German patients with dyspepsia. Endoscopic examination detected no localized lesions in the upper gastrointestinal tract of any patients. Anti-parietal cell **antibody** was investigated by enzyme-linked immunosorbent assay with the purified porcine **H+,K+-ATPase** fraction and immunohistochemistry. **H. pylori** infection was diagnosed by the presence of anti-**H. pylori antibody**, by using the urease test and by histological examination. Serum levels of **pepsinogen I** and II and

of gastrin were measured by a modified radioimmunoassay. RESULTS: Seventy-one Japanese (70%) and 17 Germans (37%) were positive for H. **pylori**. Serum levels of anti-parietal cell **antibody** were not significantly different between Japanese and Germans in both H. **pylori** negative and positive groups. The serum **pepsinogen** I/II ratio and gastrin levels were altered by H. **pylori** infection in both populations. Moreover, anti-parietal cell **antibody** levels were higher in H. **pylori**-positive patients with low pepsinogen levels than in those with high pepsinogen levels in both populations. CONCLUSIONS: The levels of anti-parietal cell **antibody** do not differ statistically between Japanese and Germans. Anti-parietal cell **antibody** might play a role in the progression of atrophic **gastritis** in both Japanese and German patients.

ACCESSION NUMBER: 2002241566 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11981335
TITLE: Serological comparison of serum pepsinogen and anti-parietal cell **antibody** levels between Japanese and German patients.
AUTHOR: Ito Masanori; Haruma Ken; Kaya Shunji; Kamada Tomoari; Kim Sunjin; Sasaki Atsunori; Sumii Masaharu; Tanaka Shinji; Yoshihara Masaharu; Wagner Siegfried; Chayama Kazuaki
CORPORATE SOURCE: First Department of Internal Medicine, Hiroshima University School of Medicine, Higashi-Hiroshima, Japan..
maito@hiroshima-u.ac.jp
SOURCE: European journal of gastroenterology & hepatology, (2002 Feb) Vol. 14, No. 2, pp. 123-7.
Journal code: 9000874. ISSN: 0954-691X.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200205
ENTRY DATE: Entered STN: 20020501
Last Updated on STN: 20020517
Entered Medline: 20020516

L11 ANSWER 7 OF 11 MEDLINE on STN

AB OBJECTIVES: To compare the diagnostic performance of serum **antibodies** to H⁺,K⁺-ATPase (EC 3.6.1.36), serum **pepsinogen A** (EC 3.4.23.1) and the Schilling test in diagnosing chronic atrophic body **gastritis**; to study the interrelationships between H⁺,K⁺-ATPase **antibodies**, serology for **Helicobacter pylori**, and gastric morphology. DESIGN: Patients with suspected cobalamin deficiency and serum cobalamin < 200 micromol/l were investigated using upper gastrointestinal endoscopy, the Schilling test and serum tests for H⁺,K⁺-ATPase **antibodies**, **pepsinogen A**, and H. **pylori**. SETTING: The Department of Internal Medicine, Sahlgrenska University Hospital, Goteborg, Sweden. PATIENTS: Ninety seven consecutively referred patients. MAIN OUTCOME MEASURES: Sensitivity and specificity of assays for serum H⁺,K⁺-ATPase **antibodies**, serum **pepsinogen A**, and the Schilling test. RESULTS: Assays of serum **antibodies** to H⁺,K⁺-ATPase and of serum **pepsinogen A** displayed equal diagnostic sensitivity for atrophic **gastritis** (around 0.90 for the severe forms) and higher than that for the Schilling test (0.65). The diagnostic specificity for **pepsinogen A** (1.0) was higher than for H⁺,K⁺-ATPase **antibodies** (about 0.80). The prevalence of antral **gastritis** and positivity for H. **pylori** **antibodies** declined with the transition of body **gastritis** into severe atrophy, while the prevalence of H

+,K+-ATPase antibodies increased.

CONCLUSION: **Pepsinogen A** is preferable to serum

H+,K+-ATPase antibodies in the

diagnosis of gastric body mucosal atrophy. The formation of **H+**,

K+-ATPase antibodies does not seem to be a

primary event in the development of gastric body muscosal atrophy.

ACCESSION NUMBER: 1999070725 MEDLINE

DOCUMENT NUMBER: PubMed ID: 9855083

TITLE: Serum **antibodies** to **H+,K+-**

ATPase, serum **pepsinogen A** and

Helicobacter pylori in relation to

gastric mucosa morphology in patients with low or
low-normal concentrations of serum cobalamins.

AUTHOR: Lindgren A; Burman P; Kilander A F; Nilsson O; Lindstedt G

CORPORATE SOURCE: Department of Internal Medicine, Sahlgrenska University
Hospital, Goteborg, Sweden.

SOURCE: European journal of gastroenterology & hepatology, (1998
Jul) Vol. 10, No. 7, pp. 583-8.

Journal code: 9000874. ISSN: 0954-691X.

PUB. COUNTRY: ENGLAND: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199902

ENTRY DATE: Entered STN: 19990223

Last Updated on STN: 19990223

Entered Medline: 19990211

L11 ANSWER 8 OF 11 HCAPLUS COPYRIGHT 2006 ACS on STN

AB The present invention relates to a method for diagnosing possible presence
of **gastritis** in a human by evaluating a blood sample, comprising
assaying the blood sample for the presence of **antibodies**
specific for **H,K-ATPase**, **antibodies**
specific for **Helicobacter pylori**, and the concentration of
pepsinogen I, whereby the presence of **H**,
K-ATPase antibodies, **Helicobacter**
pylori antibodies, and **pepsinogen I**
concentration are compared between themselves and in relation to the resp.

values

of **H,K-ATPase antibodies**,

Helicobacter pylori antibodies, and **pepsinogen**

concentration of a normal population, in a software related system, wherein
altered levels in the sample is indicative of **gastritis**, and
whereby, preferably, an altered level detection leads to the issuance of a
remittance for further investigation with regard to **gastritis**.

ELISAs were performed on blood samples.

ACCESSION NUMBER: 2003:778075 HCAPLUS

DOCUMENT NUMBER: 139:273239

TITLE: Screening method and kit for **gastritis** by
determining **pepsinogen I**,

H,K-ATPase

antibodies, and **Helicobacter**

pylori antibodies in blood

INVENTOR(S): Mardh, Sven; Mardh, Erik

PATENT ASSIGNEE(S): Atrophus AB, Swed.

SOURCE: PCT Int. Appl., 36 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

WO 2003081248	A1	20031002	WO 2003-SE469	20030321
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2478891	AA	20031002	CA 2003-2478891	20030321
AU 2003216007	A1	20031008	AU 2003-216007	20030321
EP 1488238	A1	20041222	EP 2003-745056	20030321
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005521055	T2	20050714	JP 2003-578931	20030321
PRIORITY APPLN. INFO.:			SE 2002-974	A 20020327
			WO 2003-SE469	W 20030321
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L11 ANSWER 9 OF 11 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN

AB Background. **Helicobacter pylori** is thought to be involved in atrophic body **gastritis**. We explored the prevalence of **H. pylori** infection in asymptomatic subjects with gastric parietal cell **antibodies**, as well as in patients with pernicious anemia, to evaluate a possible role of **H. pylori** gastric infection in gastric autoimmunity.

Patients and Methods. We studied 79 consecutive asymptomatic subjects with parietal cell **antibodies**, 24 patients with pernicious anemia, and 66 parietal cell **antibody**-negative controls. All patients underwent gastric biopsies for histology and detection of **H. pylori**. Red blood cell count and volume, serum levels of gastrin, **pepsinogen I**, iron, folic acid, vitamin B-12, and circulating **antibodies** to **H. pylori** and to intrinsic factor were also determined.

Results. We found an atrophic body **gastritis** in 14 of the 79 asymptomatic subjects with parietal cell **antibodies** (18%) and in 2 of the 66 controls (3%) ($p = .01$). Mean levels of gastrin were increased ($p < .0001$), while those of **pepsinogen** were reduced ($p < .001$) compared with controls. **H. pylori** was identified at the gastric level and/or circulating anti-**H. pylori antibodies** were detected in 46 parietal cell **antibody**-positive subjects (58%) compared with 26 controls (39%) ($p = .03$). In patients with pernicious anemia we found an atrophic body **gastritis** in 18 of 24 cases (75%) ($p < .001$ vs. controls). Mean levels of gastrin were markedly increased ($p < .0001$) and those of **pepsinogen I** decreased ($p < .0001$) relative to controls. Only five of these patients (21%) had evidence of **H. pylori** infection compared with 46 of the parietal cell **antibody**-positive subjects (58%) ($p = .003$) and 26 of the controls (39%). Considering all patients with gastric autoimmunity (i.e. with parietal cell **antibodies** and/or with pernicious anemia), **H. pylori** was found in 44 of 72 of those without atrophy (61%) but in 6 of 31 with gastric body atrophy (19%) ($p < .001$), indicating that **H. pylori** infection is greatly reduced when gastric acid secretion decreases.

Conclusions. The frequent detection of **H. pylori** infection in subjects with early gastric autoimmunity, indicated by the presence of parietal cell **antibodies**, suggests that **H. pylori** could have a crucial role in the induction and/or the maintenance of

autoimmunity at the gastric level.

ACCESSION NUMBER: 2003:1051358 SCISEARCH
THE GENUINE ARTICLE: 747HD
TITLE: **Helicobacter pylori** infection and
gastric autoimmune diseases: Is there a link?
AUTHOR: Presotto F; Sabini B; Cecchetto A; Plebani M; De Lazzari
F; Pedini B; Betterle C (Reprint)
CORPORATE SOURCE: Univ Padua, Sch Med, Dept Med & Surg Sci, Via Osped 105,
I-35128 Padua, Italy (Reprint); Univ Padua, Sch Med, Dept
Med & Surg Sci, I-35128 Padua, Italy; Univ Padua, Sch Med,
Dept Pathol, I-35128 Padua, Italy; Univ Padua, Sch Med,
Dept Surg, I-35128 Padua, Italy; Univ Padua, Sch Med, Dept
Gastroenterol Sci, I-35128 Padua, Italy; Azienda Osped,
Dept Lab Med, Padua, Italy
COUNTRY OF AUTHOR: Italy
SOURCE: HELICOBACTER, (DEC 2003) Vol. 8, No. 6, pp. 578-584.
ISSN: 1083-4389.
PUBLISHER: BLACKWELL PUBLISHING INC, 350 MAIN ST, MALDEN, MA 02148
USA.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 25
ENTRY DATE: Entered STN: 12 Dec 2003
Last Updated on STN: 12 Dec 2003
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 10 OF 11 USPATFULL on STN

AB Isolated nucleic acid molecules encoding polypeptides from a human,
reagents related thereto (including purified polypeptides specific
antibodies) are provided. Methods of using said reagents and
diagnostic kits are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:335581 USPATFULL
TITLE: Lp mammalian proteins; related reagents
INVENTOR(S): Mills, Bradley Jay, Fountaintown, IN, UNITED STATES
Mishra, Santosh Kumar, The Capricorn, SINGAPORE
Su, Eric Wen, Carmel, IN, UNITED STATES
Varga, Gabor, Indianapolis, IN, UNITED STATES
Wang, He, Carmel, IN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004266674	A1	20041230
APPLICATION INFO.:	US 2004-487462	A1	20040219 (10)
	WO 2002-US21857		20020823

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-317188P	20010905 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Eli Lilly and Company, Gerald P Keleher, Patent Division, P O Box 6288, Indianapolis, IN, 46206-6288	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
LINE COUNT:	9610	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 11 OF 11 USPATFULL on STN

AB Novel full-length cDNAs are provided.

2443 cDNA derived from human have been isolated. The full-length

nucleotide sequences of the cDNA and amino acid sequences encoded by the nucleotide sequences have been determined. Because the cDNA of the present invention are full-length and contain the translation start site, they provide information useful for analyzing the functions of the polypeptide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:7327 USPATFULL
TITLE: Novel full-length cDNA
INVENTOR(S): Isogai, Takao, Ibaraki, JAPAN
Sugiyama, Tomoyasu, Tokyo, JAPAN
Otsuki, Tetsuji, Chiba, JAPAN
Wakamatsu, Ai, Chiba, JAPAN
Sato, Hiroyuki, Osaka, JAPAN
Ishii, Shizuko, Chiba, JAPAN
Yamamoto, Jun-Ichi, Chiba, JAPAN
Isono, Yuuko, Chiba, JAPAN
Hio, Yuri, Chiba, JAPAN
Otsuka, Kaoru, Saitama, JAPAN
Nagai, Keiichi, Tokyo, JAPAN
Irie, Ryotaro, Chiba, JAPAN
Tamechika, Ichiro, Osaka, JAPAN
Seki, Naohiko, Chiba, JAPAN
Yoshikawa, Tsutomu, Chiba, JAPAN
Otsuka, Motoyuki, Tokyo, JAPAN
Nagahari, Kenji, Tokyo, JAPAN
Masuho, Yasuhiko, Tokyo, JAPAN
PATENT ASSIGNEE(S): Helix Research Institute (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004005560	A1	20040108
APPLICATION INFO.:	US 2002-108260	A1	20020328 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2002-137785	20020322
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FOLEY AND LARDNER, SUITE 500, 3000 K STREET NW, WASHINGTON, DC, 20007	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	16587	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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